

a) CA

Titel Antibacterial, moisturizing and soft tissue papers, 4 pp.
 Erf. Tsuruoka, Tadabumi; Minemura, Kimiko; Hori, Toshinobu
 Anm. Daiwa Kagaku Kogyo K. K., Japan
 Patent JP 10023988 A2 19980127 JP 1996-214901 19960712
 Abstr. Antibacterial, moisturizing and soft tissue papers contain palm oil and/or palm kernel oil as main ingredient with addn. of nonionic or anionic surfactants, polyhydric alcs. and antimicrobial agents.
 IC ICM A47K007-00 ICS A61L002-16
 Index Palm kernel oil Palm oil Polyhydric alcohols Polyoxyalkylenes
 Glycerin Propylene glycol Hexylene glycol 1,3-Butylene glycol PC-A PEG
 Polyhexamethylenebiguanide hydrochloride

b) WPI

Titel Composition for tissue paper having antibiotic effect and high moisture holding ability and high flexibility - comprises fibre web treated with composition containing palm oil, surfactant, water soluble poly-hydric, antibiotic and water.
 Anm. DAIWA KAGAKU KOGYO KK
 Patent JP 10023988 A 19980127 (199814)* 4p A47K007-00
 Prior. JP 1996-214901 19960712
 IC ICM A47K007-00 ICS A61L002-16
 Abstr. Composition for tissue paper having antibiotic effect and high moisture holding ability and high flexibility, comprises fibre web treated with a composition containing palm oil, surfactant, water soluble polyhydric alcohol, antibiotic and water.
 ADVANTAGE - Tissue paper having high moisture holding ability and high flexibility can be obtained.

c) Internet (Hier ESPACENET)

Titel: COMPOSITION FOR TISSUE PAPER HAVING EXCELLENT ANTIMICROBIAL, MOISTURE INSULATING PROPERTY AND FLEXIBILITY
 Patent JP10023988 Publication date: 1998-01-27
 Erf. TSURUOKA MASAFUMI; MINEMURA KIMIYOSHI; HORI TOSHINORI
 Anm. DAIWA KAGAKU KOGYO KK
 Prior. JP19960214901 19960712
 IP: A47K7/00 ; A61L2/16
 Equiv. -
 Abstr. PROBLEM TO BE SOLVED: To improve the antimicrobial property, heat insulating property and flexibility of a fiber web which is tissue paper stock by adding specific moisture and specific antimicrobial agent to a compsn. formed by compounding this fiber web with natural vegetable oil and a surfactant as well as water-soluble polyhydric alcohol, such as dihydric and terhydric alcohol.

SOLUTION: The moisture is added at 1 to 5 parts and further the antimicrobial agent is added at 0.01 to 0.5 part to the compsn. formed by compounding the surfactant and the water-soluble polyhydric alcohol, such as dihydric and terhydric alcohol to the palm oil and palm kernel oil as the vegetable oil component of the compsn. for the fiber web which is the stock of the tissue paper. The fiber web is treated with this compsn. as it is or after the compsn. is suitably diluted with water at the time of use. As a result, the fiber web having the excellent antimicrobial property, the moisture insulating property and the flexibility is obtd. The tissue paper has a good touch and is softly usable even for a person having the weak skin and for the rough skin.

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